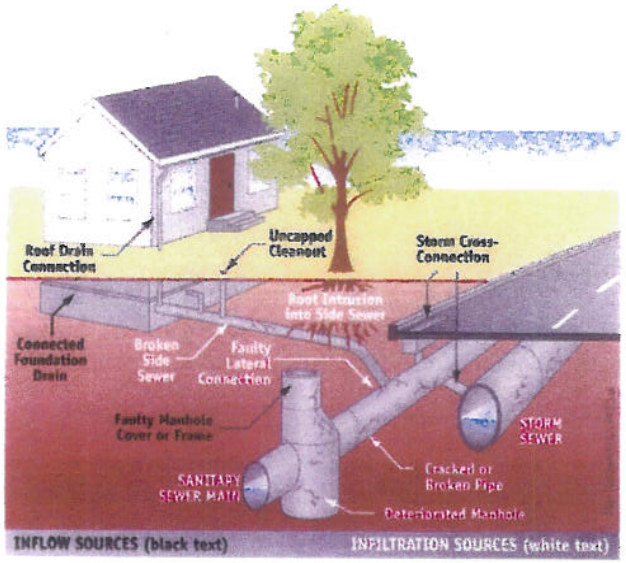
Town of Hampton, New Hampshire

Capital Improvement Plan – Public Works Department

Infiltration & Inflow (I/I) Study Projected Cost 2013 - $350,000

The goal of this project is to survey the wastewater collection system to identify and quantify clean water infiltration and inflow sources that eventually enters the wastewater treatment plant for treatment. This information will be used to develop a plan for improvements that will reduce the amount of treatment cost. This is important because treatment costs are projected to increase significantly and this clean water that enters the treatment facility does not need to go through the expensive treatment process.



The Hampton wastewater collection system consists of approximately 68 miles of wastewater pipes and 1,600 manholes. Many of these pipes and manholes are old (clay) and deteriorated (cracks) which allows clean water seepage into the pipes and ultimately the treatment plant. Also, many buildings discharge cellar and/or foundation drain water into their wastewater discharge pipe which ends up at the treatment plant for treatment.

This work will include: Data collection and review, field investigations including flow monitoring, pipe cleaning and videoing, smoke testing, manhole inspections, house to house survey, mapping and cost estimates for improvements.

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